# CFD-C626S

*E Model*
*PX Model*

| | | |
|---|---|---|
| CD Section | Model Name Using Similar Mechanism | NEW |
| | CD Changer Block Type | CH-D616-115 |
| | CD Mechanism Type | KSM-213BCN |
| | Optical Pick-Up Name | KSS-213B/KN |
| TC Section | Model Name Using Similar Mechanism | NEW |
| | Tape Transport Mechanism Type | MF-616-64G |

## SPECIFICATIONS

### CD player section

System
Compact disc digital audio system
Laser diode properties
Material: GaAlAs
Wave length:780 nm
Emission duration: Continuous
Laser output: Less than 44.6 µW (This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block.)
Spindle speed
200 r/min (rpm) to 500 r/min (rpm) (CLV)
Number of channels
2
Frequency response
20 - 20,000 Hz +0.5/–2 dB
Wow and flutter
Below measurable limit

### Radio section

Frequency range

| | |
|---|---|
| FM | 87.6 - 108 MHz |
| MW | 531 - 1,602 kHz (9kHz STEP)<br>530 - 1,710 kHz (10kHz STEP) |
| SW | (49 m) 5.85 - 6.35 MHz<br>(41 m) 7.00 - 7.50 MHz<br>(31 m) 9.40 - 9.90 MHz<br>(25 m) 11.60 - 12.10 MHz<br>(19 m) 15.10 - 15.60 MHz<br>(16 m) 17.55 - 18.05 MHz<br>(13 m) 21.40 - 21.90 MHz |

IF
FM: 10.7 MHz
SW/MW: 450 kHz
Aerials
FM/SW: Telescopic aerial
MW: Built-in ferrite bar aerial

### Cassette-corder section

Recording system
4-track 2 channel stereo
Fast winding time
Approx. 140s (sec.) with Sony cassette C-60
Frequency response
TYPE I (normal): 80 - 10,000 Hz

### General

Speaker
Full range: 10 cm (4 in.) dia., cone type
Tweeter: 2 cm (13/16 in.) dia.
Inputs
Mixing microphone input jack (minijack):
Sensitivity 2.45 mV
For low impedance microphone
Outputs
Headphones jack (stereo minijack)
For 32 ohms impedance headphones

—Continued on next page—

CD RADIO CASSETTE-CORDER

SONY®

Maximum power output
4.5 W + 4.5 W
Power requirements
For CD radio cassette-corder:

| |
|---|
| 110, 120, 220, 240V AC selectable 50/60 Hz |

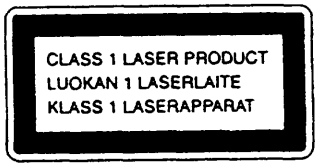
12 V DC, 8 R20 (size D) batteries

For remote commander:
3 V DC, 2 R6 (size AA) batteries
Power consumption
AC 28 W
Battery life
For CD radio cassette-corder:

| |
|---|
| **FM recording** |
| Sony SUM-1 (NS): approx. 10 h |
| Sony alkaline AM1: approx. 15 h |
| **Tape playback** |
| Sony SUM-1 (NS): approx. 7 h |
| Sony alkaline AM1: approx. 11 h |
| **CD playback** |
| Sony SUM-1 (NS): approx. 3 h |
| Sony alkaline AM1: approx. 5 h |

Dimensions
approx. 591 × 249 × 319 mm (w/h/d)
(23 ⅜ × 9 ⅞ × 12 ⅝ inches) (incl. projecting parts)
Mass
approx. 8.7 kg (19 lb. 3 oz) (incl. batteries)
Supplied accessories
AC power cord (1)
Remote commander RMT-C777 (1)

Design and specifications are subject to change without notice.




This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

## NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the changed electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

## NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 25cm away from the objective lens.

**CAUTION**
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

## Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

**SAFETY-RELATED COMPONENT WARNING!!**

**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

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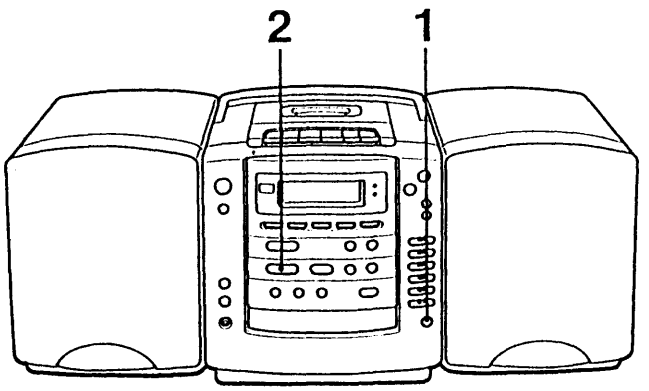
# Playing a CD



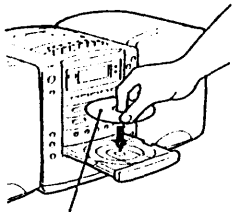

For hookup instructions, see pages 23 - 25.

## 1

Press ≜ OPEN/CLOSE (direct power-on) and place the disc on the disc tray. Be sure to align the center of the CD with the center of the disc tray.

**Notes**

- You can't play 3 inch (8 cm) CDs even with an adaptor for single-CDs.
- Place one CD only on the disc tray. If you place two or three CDs and close the disc tray, you will not be able to pull out the tray. (See "Playing multiple discs" on page 12.)



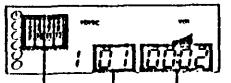
With the label side up

## 2

Press ►II.

The disc tray closes and the player plays all the tracks once.

Display



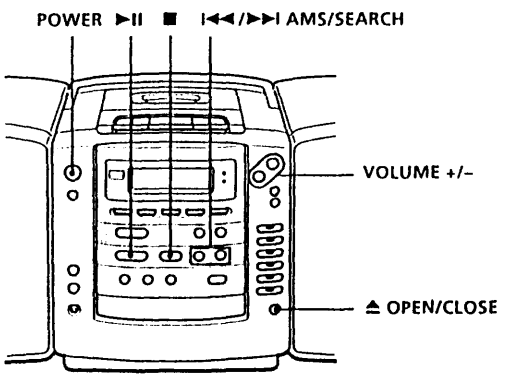

**Tips**

- If "ALL DISCS" lights up, the player plays other CDs in numerical sequence. To play only one CD, press DISC MODE to select "1 DISC."
- Next time you want to listen to a CD, just press ►II. The player turns on automatically and starts playing the CD.





**Use these buttons for additional operations**

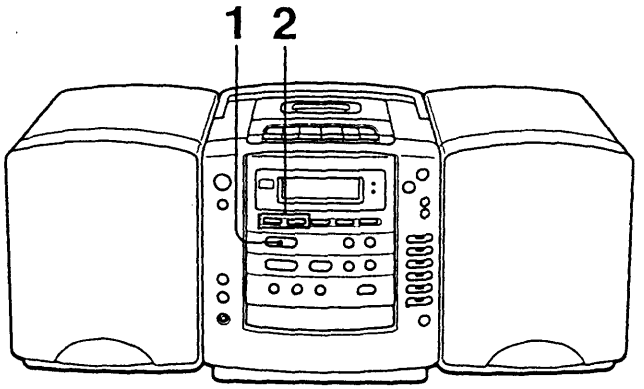



| To | Press |
|---|---|
| Adjust the volume | VOLUME +/– |
| Stop playback | ■ |
| Pause playback | ►II<br>Press again to resume play after pause. |
| Go to the next track | ►►I AMS/SEARCH |
| Go back to the previous track | I◄◄ AMS/SEARCH |
| Remove the CD | ≜ OPEN/CLOSE |
| Turn on/off the player | POWER |



This section is extracted from instruction manual.

# Listening to the radio



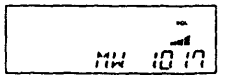

For hookup instructions, see pages 23 - 25.

**1**

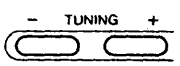
Press BAND until the band you want appears in the display (direct power-on).

*CFD-C626S only*: To tune in an SW band, first press BAND to display "SW," then press PLAY MODE MONO/ST/mBAND to display the sub-band you want.

**Display**




**2**

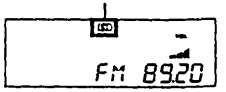



Hold down TUNING+/– until the frequency digits begin to change in the display.

The player automatically scans the radio frequencies and stops when it finds a clear station.

If you can't tune in a station, press the button once at a time.

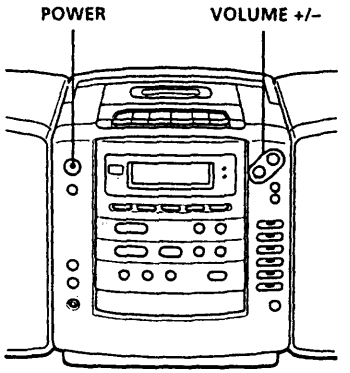
**Indicates an FM stereo broadcast.**




**Tips**

- If the FM broadcast is noisy, press PLAY MODE/MONO/ST/mBAND until "Mono" appears in the display and the radio will play in monaural.
- Next time you want to listen to the radio, just press the BAND button. The player turns on automatically and starts playing the previous station.
- *CFD-C626S only*: If you need to change the MW tuning interval (preset to 9 kHz at the factory), see page 24.

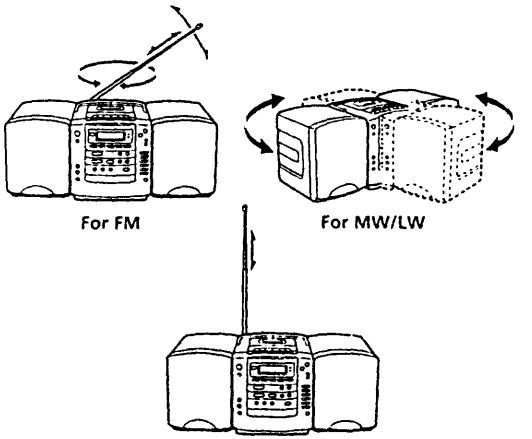
**Use these buttons for additional operations**



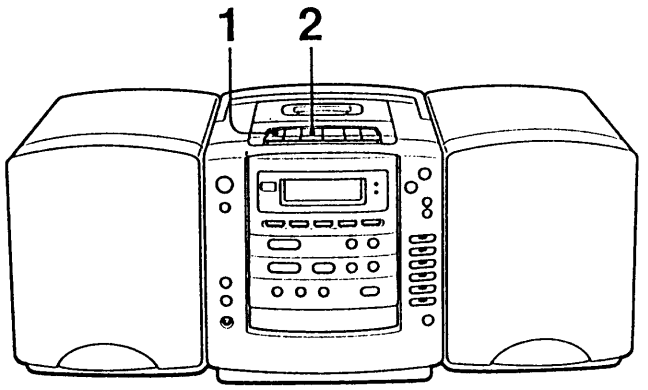

| To | Press |
|---|---|
| Adjust the volume | VOLUME +/– |
| Turn on/off the radio | POWER |

**To improve broadcast reception**

Reorient the antenna for FM. Reorient the player itself for MW (CFD-C626S) or MW/LW (CFD-616L). For SW (CFD-C626S only), pull the antenna vertically.

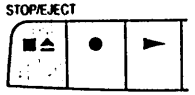


# Playing a tape

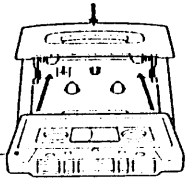



For hookup instructions, see pages 23 - 25.

**1**

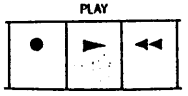



Press ■⏏ to open the tape compartment and insert a recorded tape. Use TYPE I (normal) tape only. Close the compartment.



**With the side you want to play facing up.**

**2**



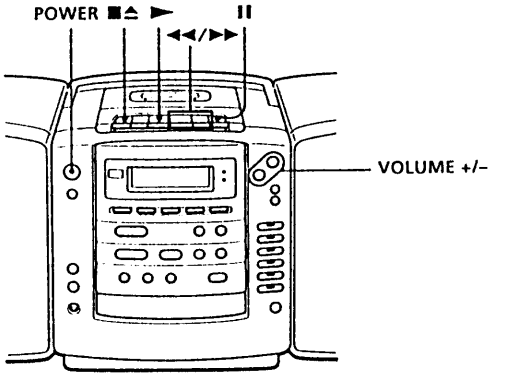

Press ►.

The player turns on (direct power-on) and starts playing.

**Tip**

Next time you want to listen to a tape, just press ►. The player turns on automatically and starts playing the tape.

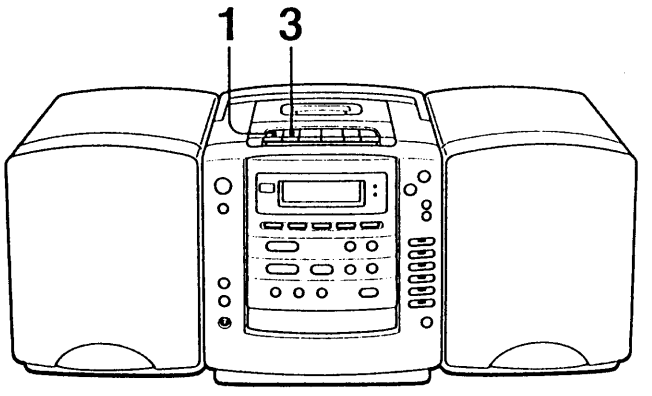
## Use these buttons for additional operations




| To | Press |
|---|---|
| Adjust the volume | VOLUME +/– |
| Stop playback | ■⏏ |
| Fast-forward or rewind the tape | ►► or ◄◄ * |
| Pause playback | II<br>Press the button again to resume play after pause. |
| Eject the cassette | ■⏏ |
| Turn on/off the player | POWER |

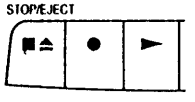
* After winding the tape with ►► or ◄◄, press ■⏏ to release it.

# Recording on a tape

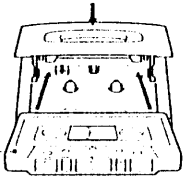



For hookup instructions, see pages 23 - 25.

**1**




Press ■≙ to open the tape compartment and insert a blank tape. Use TYPE I (normal) tape only.



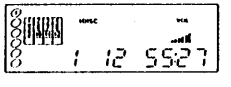
**With the side you want to record on facing up**

**2**

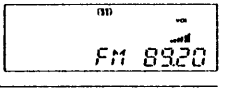
Select the program source you want to record.

To record from the CD player, insert a CD (see page 4) and press ■ on the CD section.

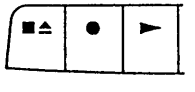
**Display**



To record from the radio, press BAND and tune in the station you want (see page 6.)




**3**

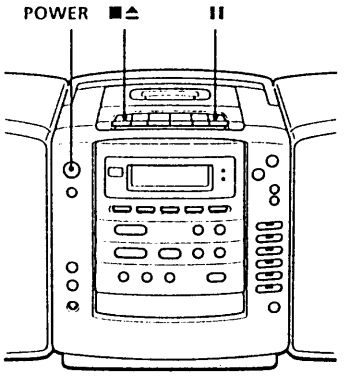



Press ● to start recording. (► is depressed automatically.)

**Tips**

- Adjusting the volume or the audio emphasis (see page 26) will not affect the recording level.
- For the best results, use the AC power source as a power source .
- To record from discs at the average recording level, press A AGC before starting recording . Do not press A AGC during recording.
- If the MW/LW makes a whistling sound after you've pressed ● in step 3, set the ISS (Interference Suppress Switch) at the rear to the position that most decreases the noise. Normally set the switch to "2".
- To erase a recording, proceed as follows:
  1 Disconnect the microphone if connected at the MIX MIC jack.
  2 Turn on the power and then press FUNCTION until "TAPE" appears in the display window..
  3 Press ●.

**Use these buttons for additional operations**




| To | Press |
|---|---|
| Stop recording | ■≙ |
| Pause recording | II<br>Press the button again to resume recording. |
| Turn on/off the player | POWER |